Materials Method N.Y. 10
June, 1971

NEW YORK STATE

DEPARTMENT OF TRANSPORTATION

Materials Bureau

"INSPECTION, SAMPLING AND TESTING OF PORTLAND CEMENT"

I. SCOPE

This Method describes specific procedures for the control of portland cement as specified under Materials Designation M1 of the Department's specifications. These procedures are designed to allow manufacturers to produce cement conforming to Department specifications under their own quality control procedures and supply the cement to Department work on the basis of a certification of compliance with Department specifications executed by the manufacturer. This status is automatically attained by manufacturers who demonstrate and maintain a history of satisfactory conformance with Department specifications.

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III. GENERAL METHOD

This Method encompasses a system whereby manufacturers, upon application, are approved by the Materials Bureau to manufacture, stock and ship cement under a program of inspection, testing and seal control performed by the Department. Upon demonstration of satisfactory conformance with Department specifications and procedures for a consecutive quantity of 50,000 barrels or five silos, whichever is greater, an approved manufacturer is authorized to manufacture and test cement without Department inspection and make shipments to Department work documented with an accompanying certification of compliance to Department specifications. The manufacturer tests each silo for all specified properties and submits certified test results to the Materials Bureau. Under Materials Bureau direction, periodic sampling is accomplished at manufacturing mills to monitor the mill's quality control program. In addition, random destination samples are obtained by Department representatives at concrete batching plants or other concrete mixing facilities and submitted to the Materials Bureau for testing.

The Department reserves the right to reimpose pretesting procedures and/or preinspected shipment procedures upon any manufacturer for failure to maintain satisfactory conformance with the procedures of this Materials Method or at any time that a lapse in supply to Department projects in excess of six months occurs.

IV. DEFINITION OF TERMS

1. MANUFACTURER - A company engaged in the manufacture of cement.

2. MILL - A facility owned and operated by a Manufacturer for production of cement at a specific location.

3. DISTRIBUTION TERMINAL - A storage and shipment facility located off Mill property used by a Manufacturer for distribution of cement. Such facility has no manufacturing capability.

4. DEPARTMENT - The New York State Department of Transportation.

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50 Wolf Road, POD 34
Albany, New York 12232

IV. DEFINITION OF TERMS (cont'd)

5. MATERIALS BUREAU - A facility of the New York State Department of Transportation which may be contacted by mailing to:

Harry H. McLean
Director of Engineering Materials
The State Campus - Bldg. # 7
1220 Washington Avenue
Albany, New York 12226

or

Telephoning the Product Control Office at:
Area Code 518
Telephone 457-5642

or

T.W.X. to:
710-441-88221
N.Y.S. D.o.T., Albany Campus
Materials Bureau, P.C.O.

6. INSPECTION AUTHORITY - An Office designated by the Materials Bureau for inspection control on behalf of the Department.

7. INSPECTOR - An individual employed by the Inspection Authority and approved by the Materials Bureau, to function on inspection assignments on behalf of the Department at Mills or Distribution Terminals.

8. DESTINATION INSPECTOR - The Department representative responsible for the Department's Quality Assurance Program at a concrete batching/mixing facility.

9. LIST OF APPROVED CEMENT MILLS - A listing published by the Materials Bureau indicating all Mills that have been approved as suppliers of Cement for Department work. Approved Mills will be divided into two categories:

a. Mills authorized to manufacture and supply cement under a certification program.

b. Mills authorized to manufacture and supply cement under a program of full Department inspection.

IV. DEFINITION OF TERMS (cont'd)

10. SEALING DEVICES - The following sealing devices are the property of the Department and are supplied by the Materials Bureau to be applied and removed only by a Department representative or in his presence.

    a. Lead Car Seal - A ten inch, three strand, braided wire with a slotted globule of lead at one end capable of receiving the free end of the wire doubled back. The lead, when crimped with a sealing iron, prevents the free end from being withdrawn and the seal reused.

    b. Sealing Iron - A device of plier-like design used to crimp the globule of a lead car seal and equipped with dies which emboss the letters N.Y.S. D.P.W. on one side of the lead car seal and the inspector's identification number on the other.

    c. Red Tape Seal - A red tamper-proof tape seal imprinted "N.Y.S. SAMPLED" used to insure the content security of sample cartons where a lead car seal is not applicable.

11. FORMS - The following forms are published and issued by the Department, for use by their designated representatives:

    a. BR-240 - Sample and Acceptance Transmittal: This form transmits the inspector's sample information to the Materials Bureau and upon validation conveys acceptance action to the Inspector. Detailed instructions for proper completion and transmittal are contained in Materials Method N.Y. 18.1. Applicable examples are shown in Appendix "B."

    b. BR-241 - Sample Transmittal Envelope: This is a heavy-duty envelope used to contain BR-240.

    c. BR-44 - Cement Shipment Authorization: This form accompanies all shipments of Cement from a Mill approved to produce and supply under a program of Department inspection. It indicates that the Cement is from Department accepted stock and shipment was authorized by the Mill Inspector. Detailed instructions for use of this form are contained in Materials Method N.Y. 10.1.

IV. DEFINITION OF TERMS (cont'd)

11. d. BR-11 - Waterproof Envelope: This is a heavy-duty waterproof envelope used to contain Form BR-44.

e. BR-135 - Truck Tag: This form is used in conjunction with a lead car seal to identify their location.

f. BR-259 - Record of Shipment: This form is used by the Inspector to maintain inventory control of accepted quantities of cement at a Mill or Distribution Terminal.

g. BR-280 - Cement Shipment Certification: This form, executed by a Manufacturer, accompanies all shipments from a Mill approved to produce and supply under a certification program and certifies that all Cement in the shipment was tested for and conforms to Department specifications. See Examples # 3 and 4 in Appendix "B."

V. STEPS IN PROCEDURE

STEPS 1 - 47 APPLY ONLY TO MILLS AUTHORIZED TO SUPPLY CEMENT UNDER A PROGRAM OF DEPARTMENT INSPECTION. FOR MILLS AUTHORIZED TO SUPPLY CEMENT UNDER CERTIFICATION ADVANCE IMMEDIATELY TO STEP 48.

Responsibility		Action
Manufacturer	1.	Submits written application to Materials Bureau indicating intent to manufacture and supply cement to Department work.
Materials Bureau	2.	Evaluates request as related to Department supply requirements and, if in order, notifies Manufacturer to furnish applicable

V. STEPS IN PROCEDURE (cont'd)

Responsibility		Action
Materials Bureau (cont'd)		details of their production and supply facilities in the form of a "Report" as outlined in Appendix "A" and informs them of the manner in which Department specifications may be obtained.
Manufacturer	3.	Furnishes Materials Bureau required information as requested.
Materials Bureau	4.	Evaluates information furnished by the Manufacturer and advises Manufacturer as to its adequacy requesting additional information as needed.
	5.	Conducts on site inspection if details indicate further consideration of application.
	6.	Evaluates all information together with the inspection report. If unsatisfactory, forwards written rejection of application to Manufacturer. In such cases, these "STEPS IN PROCEDURE" are terminated at this point.
	7.	Executes written acceptance of application to Manufacturer designating the Mill or Mills which have been approved and the Inspection Authority responsible for each Mill.
	8.	Adds Mill or Mills to Department's list of "Approved Cement Mills" under those authorized to manufacture and supply cement under Department inspection and assigns Inspection Authority accordingly.

V. STEPS IN PROCEDURE (cont'd)

Responsibility		Action
Inspection Authority	9.	Coordinates with Mill or Distribution Terminal as to inspection service availability.
Mill	10.	Notifies Inspection Authority at least 48 hours in advance of intended initial movement of cement past the point at which the automatic sampling device is located. (NOTE: Following the initial sampling occurance, the minimum notification time may be reduced if agreeable to the Inspection Authority.)
Inspection Authority	11.	Assigns Inspector to Mill or Distribution Terminal.
Inspector	12.	Inspects intended storage silo.
	13.	Determines that automatic sampling device is in operating order and that its receptacle is clean. (NOTE: Receptacle must be capable of accomodating at least a 48 hour sampling discharge under uninterrupted seal control.)
	14.	Secures and seals sampling receptacle using lead car seal and authorizes the movement of cement to the silo.
	15.	Maintains random inspection of the sampling operation as necessary for duration of transfer.
	16.	Coordinates with company relative to anticipated completion of sampling operation.

V. STEPS IN PROCEDURE (cont'd)

Responsibility		Action
Mill	17.	Notifies Inspector when transfer has been completed.
Inspector	18.	Returns to Mill or Distribution Terminal and breaks seal on sampling receptacle.
	19.	Mixes sample thoroughly on a clean surface.
	20.	Places sample in appropriate containers furnished by the Manufacturer.
		a. Sample size shall be 1 quart per 600 barrels unless otherwise directed by the Materials Bureau. A minimum of 8 quarts are required for each sample submission.
		b. Friction top cans (quart size) or plastic bags are acceptable.
	21.	Completes Form BR-240 in accordance with Materials Method N.Y. 18.1. except as follows:
		a. In Box 16, notes number of containers used.
		(NOTE: See Example # 1 in Appendix "B" of this Method.)
	22.	Packages samples, together with Form BR-240 enclosed in a BR-241 envelope, in a box or carton for transmittal to the Materials Bureau.
	23.	Seals box or carton as necessary.
	24.	Seals silo inlet valve using lead car seal and a BR-135.

V. STEPS IN PROCEDURE (cont'd)

Responsibility		Action
Mill	25.	Forwards samples to Materials Bureau at Manufacturer's expense.
	26.	Furnishes the Materials Bureau with results of chemical analysis and fineness determination as performed on the cement being offered.
Materials Bureau	27.	Performs required tests.
	28.	Reviews all test data.
	29.	Executes appropriate action on BR-240.
	30.	Issues validated BR-240 to the Inspection Authority as described in Materials Method N.Y. 18.1.
		a. Telephone requests to the Materials Bureau in advance of the normal notification of action can be honored only when received from an Inspector at the expense of the Manufacturer.
Inspection Authority	31.	Notifies the manufacturer of action taken by the Materials Bureau.
		(NOTE: When this action is one of REJECTION, these"STEPS IN PROCEDURE"are terminated at this point.)
Mill	32.	Notifies Inspection Authority of proposed shipment schedule.
Inspection Authority	33.	Schedules inspection services for each shipment.
Inspector	34.	Arrives at the mill and obtains shipment details from Manufacturer.

V. STEPS IN PROCEDURE (cont'd)

Responsibility	Action
Inspector (cont'd)	35. Executes Form BR-44 in accordance with Materials Method N.Y. 10.1.
	36. Inspects shipment vehicle for cleanliness.
	a. Vehicle shall be free of all cement or other material from prior deliveries.
	37. Observes loading operation to insure that cement is being drawn from the accepted silo.
	38. Maintains record of cement shipment temperatures to establish a pattern for each silo and monitors as necessary.
	39. Makes final entry of quantity and vehicle number on BR-44 and distributes in accordance with Materials Method N.Y. 10.1
	40. Seals the vehicle using lead car seal and Form BR-135.
	41. Enters necessary shipment details on Form BR-259 to maintain inventory control of accepted quantities.
Mill	42. Makes shipment to a concrete batching/mixing facility producing concrete for Department projects or to a Distribution Terminal.
	(NOTE: For shipments to a Distribution Terminal, instructions in Materials Method N.Y. 10.2 are to be followed.

V. STEPS IN PROCEDURE (cont'd)

Responsibility	Action
Destination Inspector	43. Inspects vehicle for the presence of Department seals and Form BR-44.
	44. Follows the applicable instructions contained in Materials Method N.Y. 10.3, "Inspection and Documentation of Portland Cement at Concrete Batching Plants."
Materials Bureau	45. Determines if Manufacturer has demonstrated satisfactory conformance with Department specifications and procedures for five silos or 50,000 barrels, whichever is greater unless otherwise stipulated by the Materials Bureau.
	a. If not, Mill continues to follow Steps 10-44 until such time as this requirement is satisfied.
	46. Notifies Manufacturer and Inspection Authority that Mill has been authorized to manufacture and supply cement under a certification program.
	47. Amends Department's List of Approved Mills accordingly.

V. STEPS IN PROCEDURE (cont'd)

THE FOLLOWING STEPS APPLY ONLY TO MILLS AUTHORIZED TO SUPPLY CEMENT UNDER A CERTIFICATION PROGRAM.

Responsibility		Action
Mill	48.	Manufactures cement to meet Department specifications.
	49.	Conducts necessary testing to determine full conformance with Department specifications.
	50.	Maintains separate silo storage of tested Cement.
	51.	Certifies complete record of test results for each silo of Cement to the Materials Bureau.
		a. Strength test determination shall be limited to the seven day strength results for reporting purposes.
Mill or Distribution Terminal	52.	Maintains identity of Cement as related to original Manufacturer's test data at all storage points as well as in all transporting vehicles between multiple storage points and prior to final shipment to a concrete batching/mixing facility progressing Department work.
	53.	Loads vehicle for shipment directly to a concrete batching/mixing facility.

V. STEPS IN PROCEDURE (cont'd)

Responsibility		Action
Mill or Distribution Terminal (cont'd)	54.	Executes a Cement Shipment Certification, Form BR-280, in duplicate for each shipment distributed as follows: a. Original with shipment vehicle. b. Carbon copy maintained in chronological order of shipment accessible for review by Department representatives at any time.
Destination Inspector	55.	Obtains a Cement Shipment Certification, Form BR-280, for each incoming vehicle containing Cement for Department work.
	56.	Verifies from List of Approved Cement Mills that the shipment is from a Mill authorized to supply that type of Cement under a certification program.

RANDOM SAMPLING WILL BE CONDUCTED AT ALL MILLS AUTHORIZED TO SUPPLY CEMENT UNDER A CERTIFICATION PROGRAM.

Materials Bureau	57.	Determines the frequency of random sampling at each Mill using the certification program. a. In general, this frequency will be based upon the volume supplied by the Mill.
	58.	Designates Inspection Authority for each Mill stipulating frequency that samples will be taken.

V. STEPS IN PROCEDURE (cont'd)

Responsibility		Action
Inspection Authority	59.	Assigns Inspector as required.
Inspector	60.	Visits Mill and determines that the type of cement being ground is one for which that Mill is accredited on the "List of Approved Cement Mills."
	61.	Obtains samples by either of the following means in order of preference:
		a. Random operation of the automatic sampling device.
		b. Method being used by the Mill.
	62.	Splits sample in two parts.
	63.	Gives one part to Manufacturer.
	64.	Places two gallons from other part in appropriate containers for transmittal to the Materials Bureau.
	65.	Prepares BR-240 in accordance with Materials Method N.Y. 18.1 except as follows:
		a. In Box 12, checks "Info. Sample."
		b. In Box 16, notes sampling method, duration of sampling and the specifications to which the cement was manufactured.
		(NOTE: See Example # 2 in Appendix B of this Method.)
	66.	Presents white copy of BR-240 to Mill for later transmittal with their test results to the Materials Bureau.
	67.	Packages samples, together with Form BR-240 enclosed in a BR-241 envelope, in a box or carton for transmittal to the Materials Bureau.

V. STEPS IN PROCEDURE (cont'd)

Responsibility		Action
Inspector	68.	Seals box or carton as necessary.
Mill	69.	Forwards samples to Materials Bureau at Manufacturer's expense.
	70.	Performs all physical and chemical tests required by the particular specifications for which the cement was manufactured.
	71.	Forwards test results within ten days to the Materials Bureau together with the white copy of the BR-240 left by the Control Inspector. (NOTE: Strength tests for reporting purposes are limited to the seven day results.)
Materials Bureau	72.	Performs all physical and chemical test required by the particular specification for which the cement was manufactured.
	73.	Compares results with Mill's analysis to determine if further investigation is necessary. a. If comparision is satisfactory, no further action is necessary. b. If comparison is unsatisfactory, coordinates with Mill and/or Inspection Authority for additional information as desired.
	74.	Reviews additional information. a. If satisfactory, no further action is necessary. b. If unsatisfactory, Mill reverts to program of full Department inspection as follows.

V. STEPS IN PROCEDURE (cont'd)

Responsibility		Action
Materials Bureau	75.	Notifies Manufacturer and Inspection Authority that the Mill is now authorized to supply cement only under a program of full Department inspection and amends "List of Approved Cement Mills" accordingly.

a. In this situation all Action reverts to Step # 8 of this Procedure.

b. NO PRODUCTION OR SHIPMENTS OF CEMENT FOR DEPARTMENT DESTINATIONS WILL BE PERMITTED UNTIL INSPECTION SERVICE CAN BE ESTABLISHED. IN GENERAL, THIS WILL BE APPROXIMATELY TEN DAYS FROM THE DATE OF NOTIFICATION.

RANDOM DESTINATION SAMPLES WILL BE TAKEN BY DEPARTMENT REPRESENTATIVES AT CONCRETE BATCHING MIXING FACILITIES.

Materials Bureau	76.	Establishes guidelines for obtainment of destination samples on a Regional basis.

V. STEPS IN PROCEDURE (cont'd)

Responsibility	Action
Destination Inspector	77. Obtains sample of cement from deepest depth possible at all available hatches on incoming vehicles as required.
	a. Composite sample shall be at least one-half gallon but not more than one gallon.
	78. Completes Form BR-240 as per Materials Method N.Y. 18.1 except as follows.
	a. In Box # 12, checks "Approved List Materials."
	b. In Box # 16, notes mill silo and date of mill tests as shown on "Certification of Compliance" (BR-280) with vehicle.
	(NOTE: See Example # 5 in Appendix "B" of this Method)
	79. Places composite sample and BR-240 enclosed in BR-241 envelope in package and forwards it to the Materials Bureau.
Materials Bureau	80. Performs required tests on sample to determine compliance of Cement with Department specifications.
	81. Compares test results with Department specifications and the previously submitted manufacturer's analysis as certified with the shipment.
	a. When test results are in compliance and comparison is satisfactory, no further Action is necessary.

V. STEPS IN PROCEDURE (cont'd)

Responsibility		Action
Materials Bureau (cont'd)	81.	b. Unsatisfactory test results or a serious discrepancy from the previously submitted manufacturer's analysis will cause further investigation of the supply source by the Materials Bureau and may result in reversion of Mill to a program of full Department inspection.

APPENDIX "A"

Mill Report Requirement

Each Mill shall submit to the Materials Bureau a report detailing their manufacturing, quality control and distribution characteristics. Such a report is a prerequisite for consideration of approval of supply under this Method and must be up-dated during the first three months of each calendar year to reflect any changes. As a minimum, this report shall include the following.

A. Brief geologic description of the quarry or quarries as well as a listing of all other raw materials.

B. Description and schematic flow diagram of the manufacturing process through final storage together with all information applicable to production and storage capacities.

C. Description of the method of distribution of cement including type of transports and bulk distribution terminals and the method used in maintaining the identity of cement from the time that mill tests are performed until the cement is loaded in the final transport for direct delivery to a Department destination.

D. Description of the Mill's quality control procedure including laboratory facilities and any automated in-line instrumental analysis.

E. A statement as to participation in the inspection of laboratory facilities by the Cement and Concrete Reference Laboratory of the National Bureau of Standards and the most recent date of such inspection. If inspected and deficiencies were noted, a statement should be included detailing what, if anything, has or will be done to correct the deficiency.

F. A statement as to participation in the Cement Reference Program of the Cement and Concrete Reference Laboratory.

APPENDIX "B"

Example of Forms

1. A BR-240 prepared by an inspector for a sample obtained at a Mill authorized to manufacturer and supply cement under Department inspection.

BR-240 (1/68) SAMPLE AND ACCEPTANCE TRANSMITTAL NYSDoT MATERIALS BUREAU

SERIAL NO 019011 | DATE REC'D. | TEST NO.

TO:

Material Represented by the Sample Described Below Was _____

ON _____ For _____

(Action Official Only When Validated Below By The Materials Bureau)

UPPER PORTION FOR MATERIALS BUREAU ONLY — INSPECTOR TO COMPLETE ALL APPLICABLE BOXES BELOW

16 ADDITIONAL INFO. (SEE INSTRUCTIONS ON REAR)
10 QTS. (CANS)

3 DAY TEST REQUESTED

RETAIN PINK COPY FOR YOUR RECORDS
FORWARD ALL OTHERS TO MATERIALS BUREAU

1. MATERIAL	2. ITEM NO	3. DATE SAMPLED	4. CONTRACT NO.
TYPE 2 PORTLAND CEMENT	15-2	5-27-71	—

5. SUPPLIER AND LOCATION	6. QUANTITY IN LOT	7. LOT NO
ACME CEMENT Co. GYPTON, N.Y.	6000 bbls	

8. MANUFACTURER AND LOCATION (IF DIFFERENT THAN ABOVE)	9. BATCH NO.	10. DATE OF MFGR.
—	—	5-26-27/71

11. SAMPLED AT	12. TYPE		13. SAMPLED FROM
[X] PLANT	[X] CONTROL SAMPLE	[ ] BPR SAMPLE	S/LO 24
[ ] JOB	[ ] INFO. SAMPLE	[ ] APPROVED LIST MAT	14. SAMPLED BY (INCL. DIST. NO OR AGENCY)
		[ ] CERTIFIED MAT	JOE DOKES RC6.3

15 CONTRACTOR AND PROJECT LOCATION

MATERIALS BUREAU VALIDATION

APPENDIX "B" (cont'd)

Examples of Forms

2. A BR-240 prepared by an inspector for a random control sample obtained at a Mill authorized to manufacturer and supply cement under a certification program.

BR-240 (1/68) SAMPLE AND ACCEPTANCE TRANSMITTAL NYSDoT MATERIALS BUREAU

SERIAL NO. 019010 | DATE REC'D. | TEST NO.

TO:

Material Represented by the Sample Described Below Was

ON For

(Action Official Only When Validated Below By The Materials Bureau)

UPPER PORTION FOR MATERIALS BUREAU ONLY — INSPECTOR TO COMPLETE ALL APPLICABLE BOXES BELOW

16 ADDITIONAL INFO (SEE INSTRUCTIONS ON REAR): AUTOMATIC SAMPLER USED. 3 HOURS

ASTM C-180 TYPE 2

RETAIN PINK COPY FOR YOUR RECORDS
FORWARD ALL OTHERS TO MATERIALS BUREAU

1. MATERIAL: PORTLAND CEMENT | 2. ITEM NO.: - | 3. DATE SAMPLED: 5-27-71 | 4. CONTRACT NO.: —

5 SUPPLIER AND LOCATION: XYZ CEMENT Co. KILNVILLE Pa. | 6. QUANTITY IN LOT: — | 7 LOT NO.: —

8. MANUFACTURER AND LOCATION (IF DIFFERENT THAN ABOVE): — | 9. BATCH NO.: — | 10. DATE OF MFGR: 5-27-71

11. SAMPLED AT: [X] PLANT [ ] JOB

12. TYPE: [ ] CONTROL SAMPLE [X] INFO. SAMPLE [ ] BPR SAMPLE [ ] APPROVED LIST MAT. [ ] CERTIFIED MAT.

13. SAMPLED FROM: SILO 26

14. SAMPLED BY (INCL. DIST. NO. OR AGENCY): IRVING GLICK T.T.L

15 CONTRACTOR AND PROJECT LOCATION

MATERIALS BUREAU VALIDATION: TITUSVILLE Pa.

APPENDIX "B" (cont'd)

Examples of Forms

3. A BR-280 executed by a representative of a Manufacturer for a shipment of cement for Department work originating at a Mill authorized to supply under a certification program.

BR 280 (5/71)

CEMENT SHIPMENT CERTIFICATION

MILL SHIPMENT [X]

TO: The NEW YORK STATE DEPARTMENT OF TRANSPORTATION

TRANSFER SH 'PT (check one) [ ]

This is to certify that all cement contained in this shipment conforms to New York State Department of Transportation Specifications and that all of the following information is correct.

SHIPMENT INFORMATION

Consignee Harder Concrete Co.

Geographic Destination Parkersburgh, N.Y.

Shipper (Company) XYZ Cement Co.

Shipper (Location) Kilnville, Pa.

Shipped from Silo No. T-32

Shipped By [X] Bulk Truck [ ] Bag Truck [ ] RR Hopper [ ] RR Bag [ ] RR-AAC [ ] Bulk Barge

Vehicle Number 2468

Quantity (Bbls) 120 Approx.

MILL INFORMATION

Brand XYZ Cement

Type 2

Mill Location Kilnville, Pa.

Mill Silo No. T-32

Mill Test Date May 6, 1971

REMARKS:

Certified By:

(Name) John Doe

(Title) Chief Shipping Clerk

SHIPMENT VALIDATION (For use by NYSDoT, Materials Bureau when required).

APPENDIX "B" (cont'd)

Examples of Forms

4. A BR-280 executed by a representative of a Manufacturer for a shipment of cement for Department work originating at a Distribution Terminal of a Mill authorized to supply under a certification program.

BR 280 (5/71)

CEMENT SHIPMENT CERTIFICATION

MILL SHIPMENT ☐

TRANSFER SH 'PT ☒ (check one)

TO: The NEW YORK STATE DEPARTMENT OF TRANSPORTATION

This is to certify that all cement contained in this shipment conforms to New York State Department of Transportation Specifications and that all of the following information is correct.

SHIPMENT INFORMATION

Consignee ABC Concrete Co.

Geographic Destination Riverton, N.Y.

Shipper (Company) XYZ Cement Co.

Shipper (Location) E-port, N. J.

Shipped from Silo No. 9

Shipped By ☒ Bulk Truck ☐ Bag Truck ☐ RR Hopper ☐ RR Bag ☐ RR-AAC ☐ Bulk Barge

Vehicle Number 2498

Quantity (Bbls) 120 approx.

MILL INFORMATION

Brand XYZ Cement

Type 2

Mill Location Kilnville, Pa.

Mill Silo No. 44

Mill Test Date May 8, 1971

REMARKS:

Certified By:

(Name) John Doe

(Title) Chief Shipping Clerk

SHIPMENT VALIDATION (For use by NYSDoT, Materials Bureau when required).

APPENDIX "B" (cont'd)

Examples of Forms

5. A BR-240 prepared by a Department representative at a concrete batching/mixing facility for a sample of cement obtained from a Mill or Distribution Terminal authorized to supply under a certification program.

240 (1-68) SAMPLE AND ACCEPTANCE TRANSMITTAL
NYSDoT MATERIALS BUREAU

SERIAL NO. 019009 | DATE REC'D. | TEST NO.

TO:

Material Represented by the Sample Described Below Was _____

ON _____ For _____

(Action Official Only When Validated Below By The Materials Bureau)

UPPER PORTION FOR MATERIALS BUREAU ONLY — INSPECTOR TO COMPLETE ALL APPLICABLE BOXES BELOW

1 ADDITIONAL INFO (SEE INSTRUCTIONS ON REAR): MILL SILO T-32	2 MATERIAL: TYPE 2 PORTLAND CEMENT	3 ITEM NO.: 15-2	3 DATE SAMPLED: 6-9-71	4 CONTRACT NO.: RC 69-69
	5 SUPPLIER AND LOCATION: HARDER CONC CO ESTES, NY		6 QUANTITY IN LOT: 120 bbls APPROX.	7 LOT NO.: 1
	8 MANUFACTURER AND LOCATION (IF DIFFERENT THAN ABOVE): XYZ CEMENT CO. KILNVILLE P.A.		9 BATCH NO.: —	10 DATE OF MFGR.: —
MILL TEST DATE 5-6-71	11 SAMPLED AT: [ ] PLANT [X] OB	12 TYPE: [ ] CONTROL SAMPLE [ ] NFC SAMPLE [ ] ERR SAMPLE [X] APPROVED LIST MAT [ ] CERTIFIED MAT	13 SAMPLED FROM: TRUCK # 2468	14 SAMPLED BY: TOM LONG REG ID
	15 CONTRACTOR AND PROJECT LOCATION: STRATE - RHODES CONST. CO PODUNK, NY		MATERIALS BUREAU VALIDATION	

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